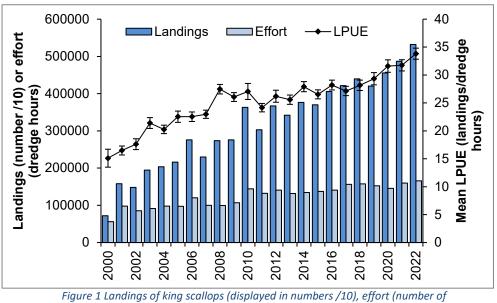
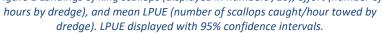
King Scallop Fishery

The king scallop fishery is a dredge fishery, comprised mostly of vessels under 12m. The fishery is subject to gear limitation, a night-time curfew and spatial management measures to protect vulnerable seabed habitats. Scallops accounted for more than half of the shellfish landed, by weight, in 2021* and SSMO logbook data have shown a steady increasing trend in landings from 2000 onwards with a peak of 5.3 million scallops in 2022 (Figure 1).

There has been an overall increase in scallop LPUE since data collection began in 2000 (Figure 1) though it may be that initial increases in landings and effort reflect improving compliance with data collection in the initial years presented. The mean LPUE shows an overall increasing trend between 2000 and 2021, albeit while fluctuating. The substantial increase of LPUE in 2008 was seen to level off, yet increase, between 2009 and 2022 with a peak in 2022 (Figure 1).





The fishery for scallops occurs in key fishing areas in Yell Sound, around Fetlar and Whalsay, and south along the east coast as far as Bressay (Figures 2-4). Areas of highest LPUE can be seen close to Unst and Yell, on the west side around St Magnus Bay and South Mainland as far as Levenwick. There are areas of high LPUE off Sumburgh in the South Mainland (Figure 4) but there is relatively low fishing effort in this area (Figure 3). Due to the spatial spread of the fishery, further research is planned in order to better understand regional variation in LPUE.

*Napier, I., 2022. Shetland Fisheries Statistics 2021.

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						K07	L07	M07	N07	P07	Q07	R07							K07	L07	M07	N07 -	P07	Q07	R07							K07	L07	M07	N07 -	P07	Q07	R07
					30L	K08	L08	мов	N08	P08	008	R08						J08	K08	L08	мов	N08	P08	208	R08						306	K08	L08	мов	N08	P08	Q08	R08
60.8°N				H09	J09	K09	L09	M09	N09	-P09	009	R09	60.8°	N			H09	70 3	K09	1.09	M09	, PO9	P09	Q09	R09	60.8°N —				H09	J09	K09	L09	M09	N09	P09	Q09	R09
			G10	H10	J10	К10	L10	M10	N10	P10	910	R10				G10	H10	J10	К10	L10	M10	N10	P10	910	R10				G10	H10	J10	К10	L10	M10	N10	P10	910	R10
60.6°N			G11	ни	J11	K11	L11	MI	N14	, P ¹¹	Q11	R11	60.6°	N		G11	ни	J11	K11	AL11	(M11)	N11	P11	Q11	R11	60.6°N —			G11	ни		K11	L11	(M11)	N11	P11	Q11	R11
		F12	G12	H12	J12	K12	L12	M12	N12	P12	912	R12			F12	G12	H12	J12	К12 /	L12	M12	N12	P12	912	R12			F12	G12	H12	J12	K12	L12	M12	N12	P12	012	R12
	E13	F13	G13	H13	J13	(<u></u> Ř 13	L13	,M13	N13	P13	Q13	R13			E13 F13	G13	H13	J13	K13	L13	M13	N13	P13	Q13	R13		E13	F13	G13	H13	J13	(<u></u> Ř 13 –	L13	M13	N13 .	P13	Q13	R13
60.4°N	E14	F14	G14	• H14	J14	K14 I	14W/14E	M14	NÍ4	P14	Q14	R14	60.4°		E14 F14	G14	• H14	J14	K14 L	14W/14E	M14	N14	P14	Q14	R14	60.4°N	E14	F14	G14	H14	J14	K14 L	14W/14E	M14	N14	P14	Q14	R14
5	E15	F15	G15	H15	J15	K15N K15S	L15W/15I	E M15	N15	P15	Q15	R15		5	E15 F15	G15	H15	J15	K15N K15S	15W_15E	M15	N15	P15	Q15	R15	5	E15	F15	G15	H15 (J15	K15N L K15S	.15W/15E	M15	N15	P15	Q15	R15
₩ 60.2°N 3	E16	F16	G16	H16	196	K16	1.16W216	M16	N16	P16	Q16	R16	60.2°	N 3	E16 F16	G16	H16		r. Y	16W/16E	M16	N16	P16	Q16	R16	50.2°N	E16	F16	G16	H16	Jiế (K16 L	16W 16E	M16	N16	P16	Q16	R16
7	E17	F17	G17	HYZ	J17	K17	171/171	M17) N17	P17	Q17	R17		7 (1	E17 F17	G17	HHZ	J17	K17	17W17E	M17	N17	P17	Q17	R17	7	E17	F17	G17	HNZ	J17	K17	17W17E	M17	N17	P17	Q17	R17
3 60.0°N	E18	F18	G18	H18	J18	K18	181/181	E M18	N#8	P18	Q18				E18 F18	G18	H18	JIB	К18	18W/18E	M18	N18	P18	Q18		3 50.0°N —	E18	F18	G18	H18	J18	K18	18W 18E	M18	N18	P18	Q18	
))	E19	F19	G19	H19	J1/9	K19L	9W219E	M19	N19	P19	Q19		60.0°		E19 F19	G19	H19	J19	K19L	9W/19E	M19	N19	P19	Q19)	E19	F19	G19	H19	J1/9	K19L	9W/19E	M19	N19	P19	Q19	
	E20	F20	G20	H20	J20	K20	20	м20	N20	P20					E20 F20	G20	H20	J20	K20	420	м20	N20	P20				E20	F20	G20	H20	JZO	K20	420	M20	N20	P20		
59.8°N	59.8°N		G21	H21	J21	K21	L21	M21		llop 202 ndings (59.8°	N		G21	H21	J21	K21	L21	M121		allop 20 ffort (df		$\left - \right $	59.8°N —			G21	H21	J21	K21	L21	M21	N2 S	callop 2 LPUE	2022 (dh)	
			G22	H22	J22	K22	L22	M22		0 1300 -	46599					G22	H22	J22	K22	L22	M22		0 45 - 3	3210					G22	H22	J22	K22	L22	M22		0	36 - 19.7	7
59.6°N —		F23	G23	H23	J23	K23	L23	M23			- 117043		59.6°	N	F23	G23	H23	J23	к23	L23	M23		3210	- 6970		59.6°N —		F23	G23	H23	J23	K23	L23	M23			77 - 28.9	
			G24	H24	3 24	к24	L24				4 - 19314) - 32183				F24	G24	H24) 24	к24	L24				6971 - 9842 9843 - 13698				F24	G24	H24	A 24	к24	L24				91 - 33.9 97 - 38.3	
		F25	G25	H25	J25	K25	L25		0'W	321838	21838 - 549989 0.5°W				F25	G25	H25	J25	K25	L25	1.0		1369	9 - 1780				F25	G25	H25	J25	K25	L25	1.0		38.3	32 - 44.2	

Figure 2 Geographical distribution of scallop landings per SSMO statistical square in 2022.

Figure 3 Geographical distribution of scallop effort per SSMO statistical square in 2022.

Figure 4 Geographical distribution of scallop LPUE per SSMO statistical square in 2022.

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